Toxicology Letters, 55 (1991) 353–355
Elsevier

AUTHOR INDEX VOL. 55 (1991)

Asakawa, E., see Shibata, M.-A., 263

Basketter, D.A., see Kimber, I., 203
Berggren, M., see Olsen, R.A., 117
Bhatnagar†, M.K., see Rumbeiha, W.K., 279
Bissell, S.R., see Spencer, J.R., 99
Bitar, M.S., see Shapiro, B.H., 85
Blair, P.C., Thompson, M.B., Wilson, R.E., Esber, H.H. and Maronpot, R.R., Correlation of changes in serum analytes and hepatic histopathology in rats exposed to carbon tetrachloride, 149
Boldt, B.W., see Zettergren, L.D., 11
Bolin, D.C., Carlton, W.W. and Grove†, R.E.P.M.D., Studies of the teratogenicity of xanthomegnin and viridicatumtoxin in ICR mice, 273
Botham, P.A., see Kimber, I., 203

Carlton, W.W., see Bolin, D.C., 273
Charles, S.J., see Powell, C.J., 171
Chui, Y.C., see Lewandowski, M., 223
Connolly, A.K., see Powell, C.J., 171

Dalvi, R.R., see Govindwar, S.P., 317

Esber, H.H., see Blair, P.C., 149

Feder, P.I., see Olson, C.T., 325
Frank, A.A., Kazacos, E.A. and Thompson, D.J., Teratogenicity of 3,3-dimethyl-1-phenyltriazene: distribution in rats and rat embryos, 55
Franklin, M.R., see Lloyd, S.A., 65
Fukumori, N., see Horie, S., 249
Fukushima, S., see Shibata, M.-A., 263

Ghanayem, B.I., Maronpot, R.R. and Matthews, H.B., Effects of sulfhydryl modulation on ethyl acrylate-induced forestomach toxicity, 215
Ghosh, S., Sharma, A. and Talukder, G., Relationship of clastogenic effects of zirconium oxychloride to dose and duration of exposure in bone marrow cells of mice in vivo, 195
Giri, S.N. and Graver, D.F., Effects and levels of coenzyme Q_{10} in lung and liver in bleomycin-hamster model of lung fibrosis, 47
Glinsukon, P.L.T., see Toskulkao, C., 1
Glinsukon, T., see Piyachaturawat, P., 21
Gök, S., see Şardaş, S., 311
Goodrich, M.S., see Zettergren, L.D., 11
Govindwar, S.P. and Dalvi, R.R., Stimulatory and inhibitory effects of dimethyl sulfoxide on microsomal aniline hydroxylase activity, 317
Graver, D.F., see Giri, S.N., 47
Gray, T.J.B., see Kimber, I., 203
Grove†, R.E.P.M.D., see Bolin, D.C., 273

Hagiwara, A., see Shibata, M.-A., 263
Harrison, P.T.C., see Kimber, I., 203
Hilton, J., see Kimber, I., 203
Hobson, D.W., see Olson, C.T., 325
Hodgson, E., see Lewandowski, M., 223
Honda, R., see Kido, T., 303
Horie, S., Fukumori, N. and Suga, T., Induction of hepatic peroxisomes by a new, non-carboxylate-containing drug, bifonazole, 249
Huang, G., see Sultatos, L.G., 77
Husain, R., see Khaliq, M.A., 179

Iaizzo, P.A., see Olsen, R.A., 117
Ikeda, M., see Kawai, T., 39
Ishizaki, M., see Kido, T., 303

Jackson, O., see Sultatos, L.G., 77
Jaiswal, D.K., see Rao, S.S., 243
Jian-Guo, S., see Quan-Guan, J., 343
Joiner, R.C.K.R.L., see Olson, C.T., 325

Kaji, T., Takata, M., Miyahara, T., Kozuka, H. and Koizumi, F., Interaction between cadmium and copper on ossification of embryonic chick bone in tissue culture, 255
Karadsheh, N., Kussie, P. and Linthicum, D.S., Inhibition of acetylcholinesterase by caffeine, anabasine, methyl pyrrolidine and their derivatives, 335
Karakaya, A.E., see Şardaş, S., 311

Kawai, T., Yamaoka, K., Uchida, Y. and Ikeda, M., Exposure of 1,1,1-trichloroethane and dose-related excretion of metabolites in urine of printing workers, 39
Kawai, T., Yasugi, T., Uchida, Y. and Ikeda, M., A personal diffusive sampler for occupational acetone vapor exposure monitoring, 295
Kazacos, E.A., see Frank, A.A., 55
Kemppainen, B.W., see Mehta, M., 185
Khaliq, M.A., Husain, R., Seth, P.K. and Srivastava, S.P., Effect of dibutyltin dilaurate on regional brain polyamines in rats, 179
Kido, T., Honda, R., Tsuritani, I., Ishizaki, M., Yamada, Yu., Nakagawa, H. and Nogawa, K., Significant increase of urinary muco-protein in environmental-cadmium-exposed Japanese subjects, 303
Kiefer, F., see Wiebel, F.J., 161
Kimber, I., Hilton, J., Botham, P.A., Basketter, D.A., Scholes, E.W., Miller, K., Robbins, M.C., Harrison, P.T.C., Gray, T.J.B. and S.J. Waite, , The murine local lymph node assay: results of an inter-laboratory trial, 203
Klose, U., see Wiebel, F.J., 161
Koizumi, F., see Kaji, T., 255
Kozuka, H., see Kaji, T., 255
Krieger, R.I., see Spencer, J.R., 99
Kurata, Ya., see Shibata, M.-A., 263
Kussie, P., see Karadsheh, N., 335

Levi, P., see Lewandowski, M., 223
Lewandowski, M., Chui, Y.C., Levi, P. and Hodgson, E., Acetanilide 4-hydroxylase and acetanilide 2-hydroxylase activity in hepatic microsomes from induced mice, 223
Linthicum, D.S., see Karadsheh, N., 335
Lloyd, S.A. and Franklin, M.R., Modulation of carbon tetrachloride hepatotoxicity and xenobiotic-metabolizing enzymes by corticosterone pretreatment, adrenalectomy and sham surgery, 65

Margetich, S.S., see Spencer, J.R., 99
Maronpot, R.R., see Blair, P.C., 149
Maronpot, R.R., see Ghanayem, B.I., 215
Matsushita, H., see Uno, Yu., 31
Matthews, H.B., see Ghanayem, B.I., 215
Mehta, M., Kemppainen, B.W. and Stafford, R.G., In vitro penetration of tritium-labelled water (THO) and [^{3}H]PbTx-3 (a red tide toxin) through monkey buccal mucosa and skin, 185
Melder, D.C., see Olsen, R.A., 117
Messiha, F.S., Effect of tremorogenic and antitumor agents on enzymes regulating a minor metabolic pathway of biogenic amines: an hypothesis for the underlying mechanism, 233
Miller, K., see Kimber, I., 203
Miyahara, T., see Kaji, T., 255
Morita, M., see Uno, Yu., 31
Morita, S., see Noda, T., 109

Nakagawa, H., see Kido, T., 303
Nakamura, T., see Noda, T., 109
Noda, T., Morita, S., Yamano, T., Shimizu, M., Nakamura, T., Saitoh, M. and Yamada, A., Teratogenicity study of tri-*n*-butyltin acetate in rats by oral administration, 109
Nogawa, K., see Kido, T., 303

Olsen, R.A., Seewald, M.J., Melder, D.C., Berggren, M., Iaizzo, P.A. and Powis, G., Platelet-derived growth factor blocks the increase in intracellular free Ca^2 caused by calcium ionophores and a volatile anesthetic agent in Swiss 3T3 fibroblasts without altering toxicity, 117
Olson, C.T., Feder, P.I., Hobson, D.W. and Joiner, R.C.K.R.L., Evaluation of compounds as barriers to dermal penetration of organophosphates using acetylcholinesterase inhibition, 325
Onodera, T., see Takagi, S., 287

Petering, D.H., see Zettergren, L.D., 11
Piyachaturawat, P., Poprasit, J. and Glinsukon, T., Gastric mucosal secretions and lesions by different doses of streptozotocin in rats, 21
Poprasit, J., see Piyachaturawat, P., 21
Powell, C.J., Connolly, A.K. and Charles, S.J., Shifting necrosis: butylated hydroxytoluene (BHT) and phenobarbital move cocaine-induced hepatic necrosis across the lobule, 171
Powis, G., see Olsen, R.A., 117

Quan-Guan Jiang Jian-Guo Sun and Xiao-Fa Qin, The effects of trinitrotoluene toxicity on zinc and copper metabolism, 343

Ramachandran, P.K., see Rao, S.S., 243
Rao, S.S., Jaiswal, D.K. and Ramachandran, P.K., Distribution and metabolism of insect re-

pellant *N,N*-diethylphenylacetamide on oral exposure in rats, 243
Reed, K., see Sultatos, L.G., 77
Robbins, M.C., see Kimber, I., 203
Rumbeiha, W.K., Bhatnagar†, M.K. and Turner, C.J., Combined effects of methylmercury and ethanol on renal metallothionein and mercury residue in rats fed restricted amounts of a liquid diet, 279

Saitoh, M., see Noda, T., 109
Sanborn, J.R., see Spencer, J.R., 99
Şardaş, S., Gök, S. and Karakaya, A.E., Sister chromatid exchanges in lymphocytes of nurses handling antineoplastic drugs, 311
Schneider, F.A., see Spencer, J.R., 99
Scholes, E.W., see Kimber, I., 203
Seewald, M.J., see Olsen, R.A., 117
Seth, P.K., see Khaliq, M.A., 179
Shapiro, B.H. and Bitar, M.S., Developmental levels and androgen responsiveness of hepatic mono-oxygenases of male rats perinatally exposed to maternally administered cimetidine, 85
Sharma, A., see Ghosh, S., 195
Shibata, M.-A., Asakawa, E., Hagiwara, A., Kurata, Ya. and Fukushima, S., DNA synthesis and scanning electron microscopic lesions in renal pelvic epithelium of rats treated with bladder cancer promoters, 263
Shih, T.-M., Whalley, C.E. and Valdes, J.J., A comparison of cholinergic effects of HI-6 and pralidoxime-2-chloride (2-PAM) in soman poisoning, 131
Shimizu, M., see Noda, T., 109
S.J. Waite, , see Kimber, I., 203
Soranno, T.M., see Sultatos, L.G., 77
Spencer, J.R., Bissell, S.R., Sanborn, J.R., Schneider, F.A., Margetich, S.S. and Krieger, R.I., Chlorothalonil exposure of workers on mechanical tomato harvesters, 99
Srivastava, S.P., see Khaliq, M.A., 179
Stafford, R.G., see Mehta, M., 185
Suga, T., see Horie, S., 249
Sultatos, L.G., Huang, G., Jackson, O., Reed, K. and Soranno, T.M., The effect of glutathione monoethyl ester on the potentiation of the acute toxicity of methyl parathion, methyl paraoxon or fenitrothion by diethyl maleate in the mouse, 77

Takagi, S., Takayama, S. and Onodera, T., Hepatotoxicity of DR-3438, tienilic acid, indacrinone and furosemide studied in vitro, 287
Takata, M., see Kaji, T., 255
Takayama, S., see Takagi, S., 287
Talukder, G., see Ghosh, S., 195
Thompson, D.J., see Frank, A.A., 55
Thompson, M.B., see Blair, P.C., 149
Toskulkao, C. and Glinsukon, P.L.T., Time-course effects of ethanol pretreatment on hepatic necrosis and fat accumulation induced by aflatoxin B^1 in the rat, 1
Tsuritani, I., see Kido, T., 303
Turner, C.J., see Rumbeiha, W.K., 279

Uchida, Y., see Kawai, T., 39
Uehiro, T., see Uno, Yu., 31
Uno, Yu., Matsushita, H., Uehiro, T., Yasuhara, A. and Morita, M., Mutagenicity of 3-nitrodibenzofuran and 3-aminodibenzofuran, 31

Valdes, J.J., see Shih, T.-M., 131

Weber, D.N., see Zettergren, L.D., 11
Whalley, C.E., see Shih, T.-M., 131
Wiebel, F.J., Klose, U. and Kiefer, F., Toxicity of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin in vitro: H4IIEC3-derived 5L hepatoma cells as a model system, 161
Wilson, R.E., see Blair, P.C., 149

Xiao-Fa, Q., see Quan-Guan, J., 343

Yamada, A., see Noda, T., 109
Yamada, Yu., see Kido, T., 303
Yamano, T., see Noda, T., 109
Yamaoka, K., see Kawai, T., 39
Yasugi, T., see Kawai, T., 295
Yasuhara, A., see Uno, Yu., 31

Zettergren, J.G., see Zettergren, L.D., 11
Zettergren, L.D., Boldt, B.W., Petering, D.H., Goodrich, M.S., Weber, D.N. and Zettergren, J.G., Effects of prolonged low-level cadmium exposure on the tadpole immune system, 11

Toxicology Letters, 55 (1991) 357–358
Elsevier

SUBJECT INDEX VOL. 55 (1991)

Acetanilide hydroxylase, 223
Acetone, 295
Acetylcholine, 131
Acetylcholine esterase, 335
Acetylcholinesterase inhibition, 325
Adrenalectomy, 65
Aflatoxin B_1, 1
Alcohol, 233
Alkaloids, 335
Ames test, 31
3-Aminodibenzofuran, 31
Aniline hydroxylase, 317
Antineoplastic drugs, 311
Atrophy of thymus, 109
Atropine, 131

B-cells, 11
Bifonazole, 249
Biological monitoring, 39
Bladder tumor promoters, 263
Bleomycin, 47
Bone formation, 255
Brain regions, 179
Brevetoxin, 185
Buccal mucosa, 185

Ca^{2+}, 117
Cadmium, 11, 255, 303
Caeruloplasmin, 343
Caffeine, 335
Carbon tetrachloride, 65, 149
Chlorothalonil, 99
Choline, 131
Choline uptake, 131
Cholinesterase, 131, 243
Chromosomal aberrations, 195
Chromosome damage, 311
Cimetidine teratogenicity, 85
Cleft palate, 109
Clinical pathology, 149
Clothing penetration, 99
Coenzyme Q_{10}, 47
Contact allergy, 203
Copper, 255, 343
Corticosterone, 65
Cutaneous, 185
Cysteamine, 215
Cytochrome P-450, 65, 223

^{14}C-DEPA, 243
Dermal exposure, 99
Dermal penetration, 325
Development, 11
Dibutyltin dilaurate, 179
Diethylmaleate, 77, 215
Diffusive sampler, 295
Diffusive sampling, 39
Dimethylphenyltriazene, 55
Dimethyl sulfoxide, 317
DNA synthesis, 263
DR-3438, 287

Enzymes, 233
Enzyme inhibition, 335
Erythrocyte carbonic anhydrase, 243
Ethanol, 1, 279
Ethyl acrylate, 215
Ethyl acrylate-induced forestomach toxicity, 215
Exposure assessment, 99

Fat, 1
Fatty change, 149
Fenitrothion, 77
Fibrosis, 47
Furosemide, 287

Gas chromatography, 243
Gastric emptying rate, 21
Gastric H^+ secretion, 21
Gastric lesion, 21
Glutathione S-transferase, 65
Glutathione, 77

Hair sample, 343
Halothane, 117
Hepatic drug-metabolizing enzymes, 85
Hepatocyte necrosis, 149
5L-Hepatoma cells, 161
Hepatotoxicity, 1, 65, 149, 171, 287
HI-6, 131

High-molecular-weight protein, 303
Hypolipidemic drug, 249

Immune response, 11
Indacrinone, 287
Indigenous sulfhydryl modulation, 215
Induction, 85, 223
Inhalation exposure, 99
Insulin, 21
In vitro, 185
Ionophores, 117
Isosafrole, 223

Kidney, 279

Liver, 47, 233
Liver damage, 171
Local lymph node assay, 203
Low-molecular-weight protein, 303

Mandible, 55
Metabolism, 243
Metal clastogenicity, 195
Metallothionein, 279
Methylmercury, 279
Methyl paraoxon, 77
Methyl parathion, 77
Micrognathism, 55
Microsomal oxidation, 223
Mucoprotein, 303
Muscarinic receptor binding, 131
Mycotoxins, 273

Necrosis, 1
N-Ethylphenylacetamide, 243
N,N-Diethylphenylacetamide (DEPA), 243
Neurotoxicity, 179

3-Nitrobenzofuran, 31

Occupational exposure, 311
Occupational health, 295
Orchidectomy, 85
Organic solvent, 295
Organophosphate, 131
Organophosphate biotransformation, 77
Organophosphates, 325
Ossification, 255
Osteoblasts, 255
β-Oxidation, 249

2-PAM, 131

PDGF, 117
Periportal necrosis, 171
Peroxisomes, 249
Personal monitoring, 295
Phenylacetamide, 243
Phenylacetic acid, 243
Predictive testing, 203
Primary cultured hepatocytes, 287
Protective ratio, 131

Rat, 233
Rat liver, 343
Rat liver microsomes, 317
Rat renal pelvis, 263
Receptor, 249
Renal dysfunction, 303
Restricted diet, 279

Salmonella typhimurium TA98 and TA100, 31
Scanning electron microscopy, 263
Serum, 343
Soman, 131
Spermidine, 179
Spermine, 179
Streptozotocin, 21
Swiss 3T3 cells, 117

TBTA, 109
Teratogen, 55
Teratogenicity, 109, 273
Testes, 343
2,3,7,8-Tetrachlorodibenzo-p-dioxin, 161
Tienilic acid, 287
Tissue culture, 255
Toxicity, 161
Transfer factor, 99
Tremorigenics, 233
1,1,1-Trichloroethane, 39
Trinitrotoluene, 343
Trinitrotoluene exposure, 343
Tri-n-butyltin acetate, 109

Urinary metabolites, 39
Urinary prostaglandin E_2 and lipid peroxides, 263

Viridicatumtoxin, 273

Xanthomegnin, 273

Zinc, 343